

```

EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDD FFFFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDD FFFFFFFFFFFFFFFFFF
EEEEEEEEEEEEEEEEEE DDDDDDDDDDDDD FFFFFFFFFFFFFFFFFF
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```

[illegible]

```
EEEEEEEEEE DDDDDDDD FFFFFFFF SSSSSSSS TTTTTTTTTT RRRRRRRR UU UU CCCCCCCC TTTTTTTTTT
EEEEEEEEEE DDDDDDDD DDDDDDDD SSSSSSSS TTTTTTTTTT RRRRRRRR RR RR CCCCCCCC TTTTTTTTTT
EE          DD DD      FF          SS          TT          RR          UU          CC          TT
EE          DD DD      FF          SS          TT          RR          UU          CC          TT
EE          DD DD      FF          SS          TT          RR          UU          CC          TT
EE          DD DD      FF          SS          TT          RR          UU          CC          TT
EEEEEEEEEE DD DD      FFFFFFFF SSSSSS      TT          RRRRRRRR UU          CC          TT
EEEEEEEEEE DD DD      FFFFFFFF SSSSSS      TT          RRRRRRRR UU          CC          TT
EE          DD DD      FF          SS          TT          RR RR      UU          CC          TT
EE          DD DD      FF          SS          TT          RR RR      UU          CC          TT
EE          DD DD      FF          SS          TT          RR RR      UU          CC          TT
EEEEEEEEEE DDDDDDDD FF          SSSSSSSS      TT          RR RR      UUUUUUUUUU CCCCCCCC TT
EEEEEEEEEE DDDDDDDD FF          SSSSSSSS      TT          RR RR      UUUUUUUUUU CCCCCCCC TT

LL          IIIIII SSSSSSSS
LL          IIIIII SSSSSSSS
LL          II     SS
LL          II     SS
LL          II     SS
LL          II     SS
LL          II     SSSSSS
LL          II     SSSSSS
LL          II     SS
LL          II     SS
LL          II     SS
LL          II     SS
LLLLLLLLLL IIIIII SSSSSSSS
LLLLLLLLLL IIIIII SSSSSSSS
```

15-SEP-1984 23:00:51.12
15-SEP-1984 22:43:35SDL V2.0
_S255SDUA28:[EDF.SRC]EDFSTRUCT.SDL;1

```
1  MODULE      EDFSTRUCT:
2  /* EDFSTRUCT - Structure definitions for EDIT/FDL
3  /*
4  /*      Version      'V04-000'
5  /*
6  /******
7  /*
8  /*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
9  /*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
10 /*  ALL RIGHTS RESERVED.
11 /*
12 /*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
13 /*  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
14 /*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
15 /*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
16 /*  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
17 /*  TRANSFERRED.
18 /*
19 /*  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
20 /*  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
21 /*  CORPORATION.
22 /*
23 /*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
24 /*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
25 /*
26 /*
27 /******
28
29 /*++
30 /*
31 /* FACILITY:  EDIT/FDL (EDF)
32 /*
33 /* ABSTRACT:
34 /*
35 /*      This file contains the SDL source for EDIT/FDL (EDF).
36 /*
37 /* ENVIRONMENT:
38 /*
39 /*      n/a
40 /*
41 /*--
42 /*
43 /*
44 /* AUTHOR:  Ken Henderson      CREATION DATE:  Sep-1982
45 /*
46 /* MODIFIED BY:
47 /*
48 /*      V03-003 KFH0003      Ken Henderson      8 Sep 1983
49 /*      Fixed ",," in constant list.
50 /*
51 /*      V03-002 KFH0002      Ken Henderson      26 Apr 1983
52 /*      Added offsets for ADD_KEY, DELETE_KEY
53 /*      scripts.
54 /*
55 /*      V03-001 KFH0001      Ken Henderson      14 Apr 1983
56 /*      Added offsets for SET_FUNCTION,
57 /*      GRANULARITY, PROMPTING, RESPONSES.
```

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```
58  /*      ANALYSIS, SEGMENTED and OUTPUT.
59  /*
60
61  /** Non-QTAB offsets, for variables that don't correspond to questions.
62  /**
63  /** They should be ordered: IDATA, BDATA, RDATA, SDATA types.
64  /** (NON-STORAGE) means an identifier just generates a constant,
65  /** but will have an array location - which is never accessed.
66
67  /**
68  /** xxx_HIGH identifiers MUST immediately follow the xxx_LOW identifiers!!!
69  /**
70
71  /** IDATA OFFSETS FOLLOW
72
73      #MARK0 = 0;
74
75  CONSTANT  (
76
77      'FDL_FILL',
78      'FINAL_DESIGN',          /** (NON-STORAGE)
79      'FIRST_SCRIPT',          /** (NON-STORAGE)
80      'WRITE_PLOT',
81      'Y_HIGH',
82      'Y_LOW',
83      'Y_INCR',
84
85      ) EQUALS #MARK0
86      INCREMENT 1
87      PREFIX 'EDFS'
88      COUNTER #MARK1;
89
90  /** BDATA OFFSETS FOLLOW
91
92  CONSTANT  (
93
94      'DUMMY'
95
96      ) EQUALS #MARK1+1
97      INCREMENT 1
98      PREFIX 'EDFS'
99      COUNTER #MARK2;
100
101  /** RDATA OFFSETS FOLLOW
102
103  CONSTANT  (
104
105      'ADDED_FILL',
106      'LOAD_FILL',
107
108      ) EQUALS #MARK2+1
109      INCREMENT 1
110      PREFIX 'EDFS'
111      COUNTER #MARK3;
112
113  /** SDATA OFFSETS FOLLOW
114
115  CONSTANT  (
```

116

```

117      'PLACE HOLDER'
118
119      ) EQUALS #MARK3+1
120      INCREMENT 1
121      PREFIX 'EDFS'
122      COUNTER #MARK4;
123
124      /** QTAB equivalent offsets that correspond to actual questions
125      /**
126      /** They should be ordered SDATA, RDATA, BDATA, IDATA types
127
128      /** SDATA OFFSETS FOLLOW
129
130      CONSTANT      (
131
132          'DATA_FILE_NAME',
133          'FDL_TITLE',
134          'KEY_NAME',
135          'ANALYSIS',
136          'OUTPUT'
137
138          ) EQUALS #MARK4+1
139          INCREMENT 1
140          PREFIX 'EDFS'
141          COUNTER #MARK5;
142
143      /** RDATA OFFSETS FOLLOW
144
145      CONSTANT      (
146
147          'DATA_KEY_COMP',
148          'DATA_RECORD_COMP',
149          'INDEX_RECORD_COMP',
150
151          ) EQUALS #MARK5+1
152          INCREMENT 1
153          PREFIX 'EDFS'
154          COUNTER #MARK6;
155
156      /** BDATA OFFSETS FOLLOW
157
158      CONSTANT      (
159
160          'KEY_COMP_WANTED',
161          'REC_COMP_WANTED',
162          'IDX_COMP_WANTED',
163          'ASCENDING_ADDED',
164          'ASCENDING_LOAD',
165          'BLOCK_SPAN',
166          'CONFIRM',
167          'SEGMENTED',
168          'GLOBAL_WANTED',
169          'KEY_CHANGES',
170          'KEY_DIST',
171          'KEY_DUPS',
172          'RETURN'
173
174          ) EQUALS #MARK6+1
175          INCREMENT 1
176          PREFIX 'EDFS'

```

/** FUNCTION

/** FUNCTION

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```

177      COUNTER #MARK7;
178
179  /** IDATA OFFSETS FOLLOW
180
181  CONSTANT      (
182
183      "CLUSTER_SIZE",
184      "ACTIVE_KEY",
185      "ADDED_COUNT",
186      "ADDED_COUNT_LOW",
187      "ADDED_COUNT_HIGH",
188      "BLOCKS_IN_BUCKET",
189      "BUCKET_WEIGHT",
190      "CARR_CTRL",
191      "CONTROL_SIZE",
192      "CURRENT_FUNCTION",
193      "DESIGN_CYCLE",
194      "DESIRED_FILL",
195      "FILL_LOW",
196      "FILL_HIGH",
197      "GLOBAL_COUNT",
198      "GRANULARITY",
199      "INITIAL_COUNT",
200      "INITIAL_COUNT_LOW",
201      "INITIAL_COUNT_HIGH",
202      "KEY_POSITION",
203      "KEY_LOW",
204      "KEY_HIGH",
205      "KEY_SIZE",
206      "KEY_TYPE",
207      "LOAD_METHOD",
208      "MAX_RECORD_SIZE",
209      "MEAN_RECORD_SIZE",
210      "NUMBER_DUPS",
211      "NUMBER_KEYS",
212      "NUMBER_RECORDS",
213      "PROLOGUE_VERSION",
214      "PROMPTING",
215      "RECORD_FORMAT",
216      "RESPONSES",
217      "SCRIPT_OPTION",
218      "SET_FUNCTION",
219      "SIZE_LOW",
220      "SIZE_HIGH",
221      "SURFACE_OPTION",
222      "TEST_PRIMARY",
223      "TEST_SECONDARY",
224      "TEST_SECONDARY_VALUE"
225
226      ) EQUALS #MARK7+1
227      INCREMENT 1
228      PREFIX "EDF$"
229      COUNTER #MARK8;
230
231  /** Array boundaries definitions

```

/** QUALIFIER TYPE

/** QUALIFIER TYPE

/** SYNONYM FOR INITIAL COUNT

/** QUALIFIER TYPE

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232
233  CONSTANT      "EDF$K_SDATASTART"      EQUALS #MARK3+1;
234  CONSTANT      "EDF$K_SDATAEND"        EQUALS #MARK5;
235
236  CONSTANT      "EDF$K_RDATASTART"      EQUALS #MARK2+1;

```



```

237 CONSTANT      "EDFSK_RDATAEND"      EQUALS #MARK6;      C 3
238
239 CONSTANT      "EDFSK_BDATASTART"     EQUALS #MARK1+1;
240 CONSTANT      "EDFSK_BDATAEND"       EQUALS #MARK7;
241
242 CONSTANT      "EDFSK_IDATASTART"      EQUALS #MARK0;
243 CONSTANT      "EDFSK_IDATAEND"        EQUALS #MARK8;
244
245 CONSTANT      "EDFSK_VDATASTART"      EQUALS #MARK4+1;
246 CONSTANT      "EDFSK_VDATAEND"       EQUALS #MARK8;
247
248 CONSTANT      "EDFSK_QTABSTART"       EQUALS #MARK4+1;
249 CONSTANT      "EDFSK_QTABEND"        EQUALS #MARK8;
250
251 /** Insert_object collison-action definitions
252
253 CONSTANT      (
254
255      "REPLACE_OBJ",
256      "IGNORE_OBJ",
257      "AFTER_OBJ"
258
259      ) EQUALS 0
260      INCREMENT 1
261      PREFIX " ";
262
263 /** Where definitions
264
265 CONSTANT      (
266
267      "IF_FULL_PROMPT",
268      "LOWER_AREA",
269      "PAUSE",
270      "SCREEN"
271
272      ) EQUALS 0
273      INCREMENT 1
274      PREFIX " ";
275
276 /** Bucket-weight definitions
277
278 CONSTANT      (
279
280      "SMALLER_BUFFERS",
281      "FLATTER_FILES"
282
283      ) EQUALS 0
284      INCREMENT 1
285      PREFIX "EDF$";
286
287 /** Load-method definitions
288
289 CONSTANT      (

```

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290
291      "FAST_CONVERT",
292      "NOFAST_CONVERT",
293      "RMS_PUTS"
294
295      ) EQUALS 0
296      INCREMENT 1

```

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VO

```

297         PREFIX 'EDFS';
298
299     /** Surface-option definitions
300
301     CONSTANT      (
302
303         'FILL_SURFACE',
304         'SIZE_SURFACE',
305         'INIT_SURFACE',
306         'ADDED_SURFACE',
307         'KEY_SURFACE',
308         'LINE_SURFACE'
309
310         ) EQUALS 0
311         INCREMENT 1
312         PREFIX 'EDFS';
313
314     /** Current-function definitions
315
316     CONSTANT      (
317
318         'ADD',
319         'DELETE',
320         'EXIT',
321         'HELP',
322         'INVOKÉ',
323         'MODIFY',
324         'QUIT',
325         'SET',
326         'VIEW'
327
328         ) EQUALS 0
329         INCREMENT 1
330         PREFIX 'EDFS';
331
332     /** Set_function definition
333
334     CONSTANT      (
335
336         'SET_ANALYSIS',
337         'SET_DISPLAY',
338         'SET_EMPHASIS',
339         'SET_GRANULARITY',
340         'SET_NUMBER_KEYS',
341         'SET_OUTPUT',
342         'SET_PROMPTING',
343         'SET_RESPONSES',
344         'SET_SCRIPT',
345         'SET_TEMPLATÉ'
346
347         ) EQUALS 0
348
349         INCREMENT 1
350         PREFIX 'EDFS';
351
352     /** Responses definitions
353
354     CONSTANT      (
355
356         'AUTO',
357         'MAN'

```

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```

357
358      ) EQUALS 0
359      INCREMENT 1
360      PREFIX 'EDFS';
361
362  /** Prompting definitions
363
364  CONSTANT      (
365
366      "FULL",
367      "BRIEF",
368
369      ) EQUALS 0
370      INCREMENT 1
371      PREFIX 'EDFS';
372
373  /** Granularity definitions
374
375  CONSTANT      (
376
377      "ONE",
378      "TWO",
379      "THREE",
380      "FOUR",
381      "DOUBLE",
382
383      ) EQUALS 0
384      INCREMENT 1
385      PREFIX 'EDFS';
386
387  /** Script-option definitions
388
389  CONSTANT      (
390
391      "ADD KEY FDL",
392      "DELETE KEY FDL",
393      "IDX DESIGN FDL",
394      "REL DESIGN FDL",
395      "SEQ DESIGN FDL",
396      "OPTIMIZE FDL",
397      "REDESIGN FDL",
398      "ZERO_SCRIPT",
399
400      ) EQUALS 0
401      INCREMENT 1
402      PREFIX 'EDFS';
403
404  /** Yes-No definitions
405
406  CONSTANT      (
407
408      "NO",
409      "YES",
410
411      ) EQUALS 0
412      INCREMENT 1
413      PREFIX 'EDFS';
414
415  /** Answer-class definitions
416

```

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```

417 CONSTANT (
418
419     "STRING_ANSWER",
420     "REAL_ANSWER",
421     "BOOLEAN_ANSWER",
422     "INTEGER_ANSWER",
423     "KEYWORD_ANSWER",
424     "NO_ANSWER",
425     "OBJECT_ANSWER"
426
427     ) EQUALS 0
428     INCREMENT 1
429     PREFIX "" TAG "";
430
431 /** Equivalences for Design-cycle definitions
432
433 CONSTANT "EDFSK_RS" EQUALS "EDFSK_MEAN_RECORD_SIZE";
434 CONSTANT "EDFSK_KL" EQUALS "EDFSK_KEY_SIZE";
435 CONSTANT "EDFSK_KP" EQUALS "EDFSK_KEY_POSITION";
436 CONSTANT "EDFSK_IL" EQUALS "EDFSK_INITIAL_COUNT";
437 CONSTANT "EDFSK_BF" EQUALS "EDFSK_DESIRED_FILL";
438 CONSTANT "EDFSK_EM" EQUALS "EDFSK_BUCKET_WEIGHT";
439 CONSTANT "EDFSK_RF" EQUALS "EDFSK_RECORD_FORMAT";
440 CONSTANT "EDFSK_RC" EQUALS "EDFSK_DATA_RECORD_COMP";
441 CONSTANT "EDFSK_KC" EQUALS "EDFSK_DATA_KEY_COMP";
442 CONSTANT "EDFSK_DK" EQUALS "EDFSK_KEY_DUPS";
443 CONSTANT "EDFSK_LM" EQUALS "EDFSK_LOAD_METHOD";
444 CONSTANT "EDFSK_AR" EQUALS "EDFSK_ADDED_COUNT";
445 CONSTANT "EDFSK_IC" EQUALS "EDFSK_INDEX_RECORD_COMP";
446 CONSTANT "EDFSK_WP" EQUALS "EDFSK_WRITE_PLOT";
447 CONSTANT "EDFSK_FINIS" EQUALS "EDFSK_FINAL_DESIGN";
448 CONSTANT "EDFSK_PV" EQUALS "EDFSK_PROLOGUE_VERSION";
449 CONSTANT "EDFSK_KT" EQUALS "EDFSK_KEY_TYPE";
450
451 /* The following are used to interface to the EDF$GRAPH routine.
452 /*
453 CONSTANT (
454
455     LINE
456     , SRF_INCREASING
457     , SRF_DECREASING
458
459     ) EQUALS 0 INCREMENT 1 PREFIX "EDF$" TAG "C";
460
461 CONSTANT (
462
463     BACKGROUND_COLOR
464
465     , DARK_RED
466     , MEDIUM_YELLOW
467     , LIGHT_GREEN
468
469     ) EQUALS 0 INCREMENT 1 PREFIX "EDF$" TAG "C";
470 END_MODULE EDFSTRUCT;

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